

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10734 - L2 Version 2
Chandra X-Ray Center

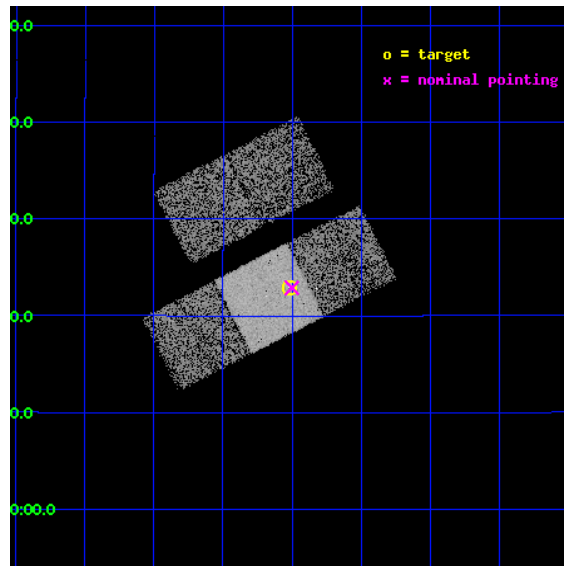
L2 Processing Date : Jun 2 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

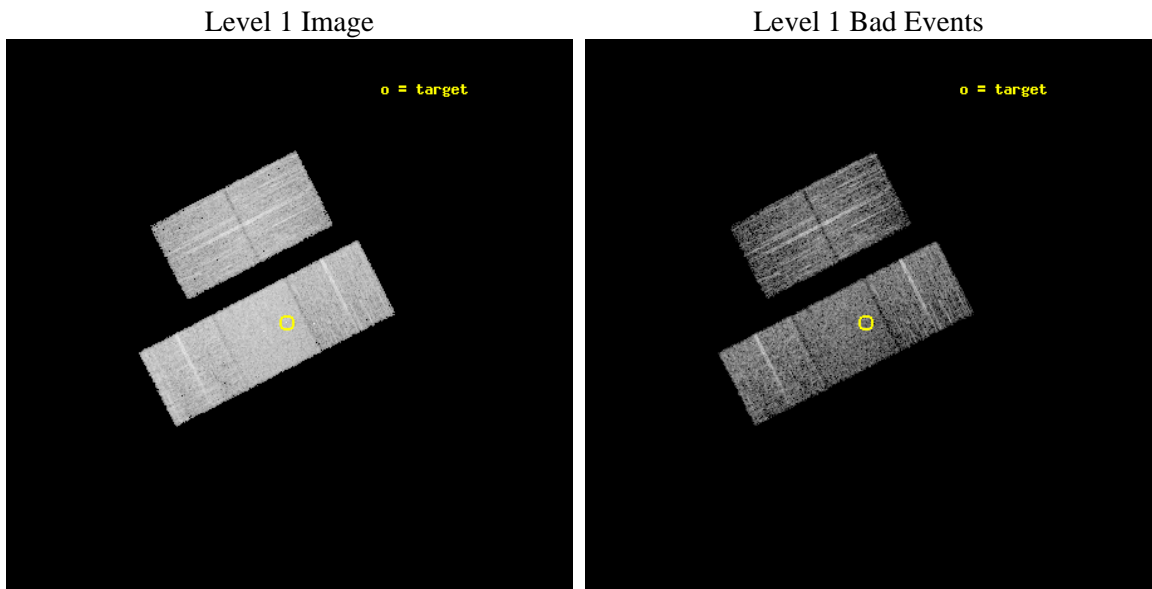
seq_num	701964	Sequence number
obs_id	10734	Observation id
title	A Chandra Snapshot Survey of Bright Mini-BAL Quasars	Proposal titl
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J120331.29+152254.7	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	180.880417	Observer's specified target RA [deg]
dec_targ	15.381861	Observer's specified target Dec [deg]
ra_nom	180.87530977609	Nominal RA [deg]
dec_nom	15.381473340105	Nominal Dec [deg]
roll_nom	152.98574880878	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4123.0000317097	Sum of GTIs [s]
livetime	4069.1300009869	Livetime [s]
ontime2	4123.0000317097	Sum of GTIs [s]
ontime3	4116.7180512547	Sum of GTIs [s]
ontime6	4123.0000317097	Sum of GTIs [s]
ontime7	4123.0000317097	Sum of GTIs [s]
ontime8	4123.0000317097	Sum of GTIs [s]
l2events	42650	Number of level 2 events



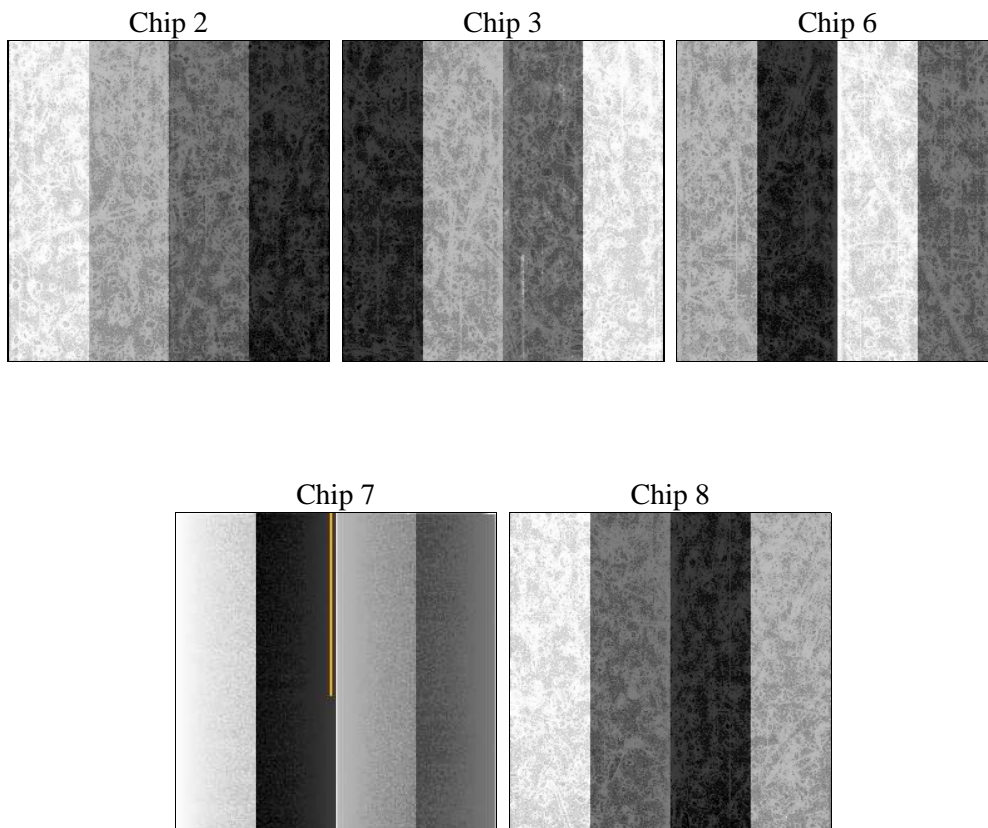
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4123.0000317097	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	4123.0000317097	Sum of GTIs [s]
date	2012-06-02T14:14:30	Date and time of file creation	ontime3	4116.7180512547	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4123.0000317097	Sum of GTIs [s]
			ontime7	4123.0000317097	Sum of GTIs [s]
			ontime8	4123.0000317097	Sum of GTIs [s]
			l1events	267873	Number of level 1 events

2.1.4 Events

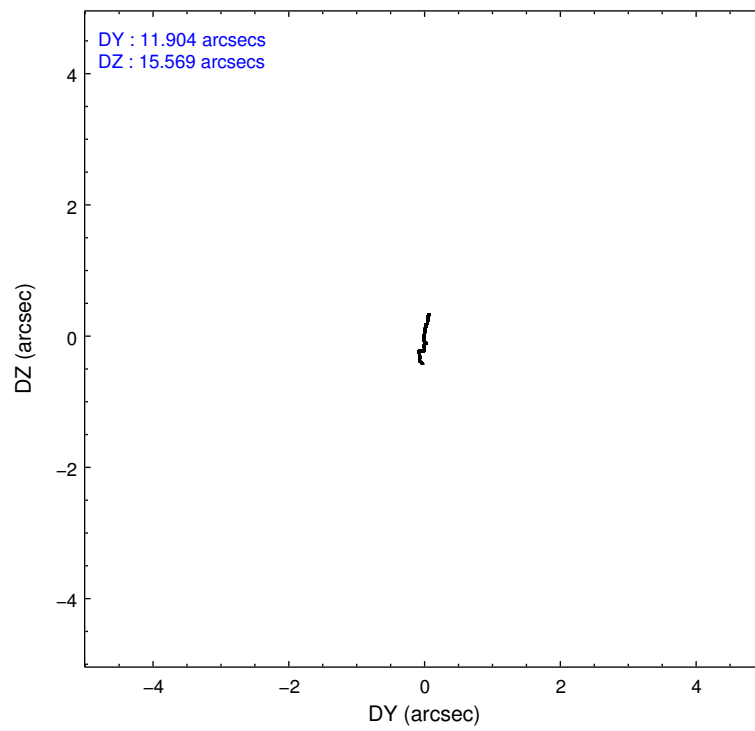
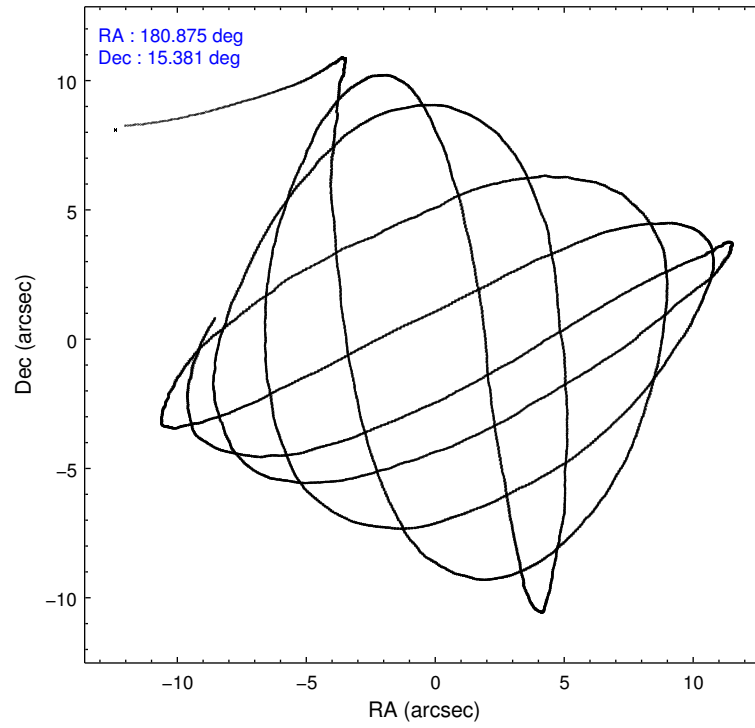
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	47610	44615	48559	66889	60200
rejected events	42706	39502	43244	42045	47246
rejected %	89%	88%	89%	62%	78%

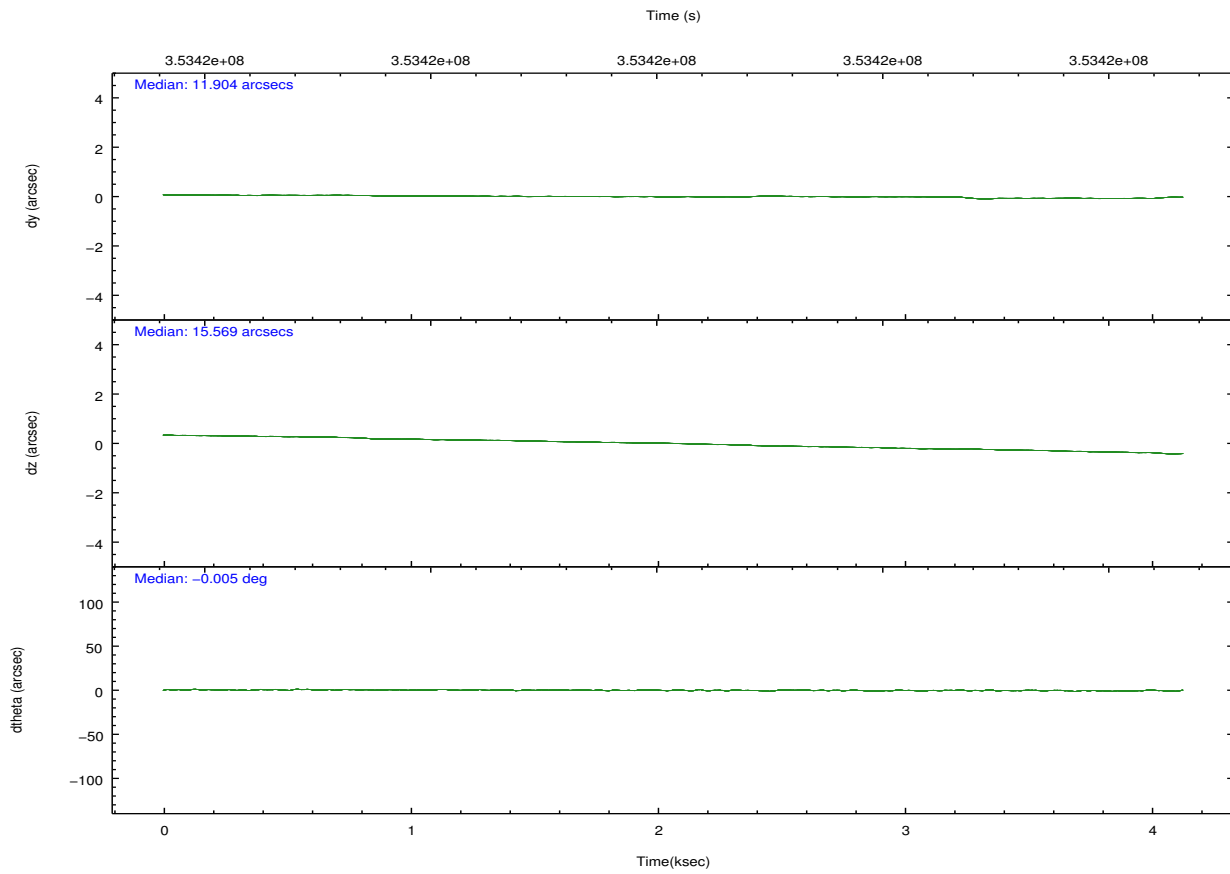
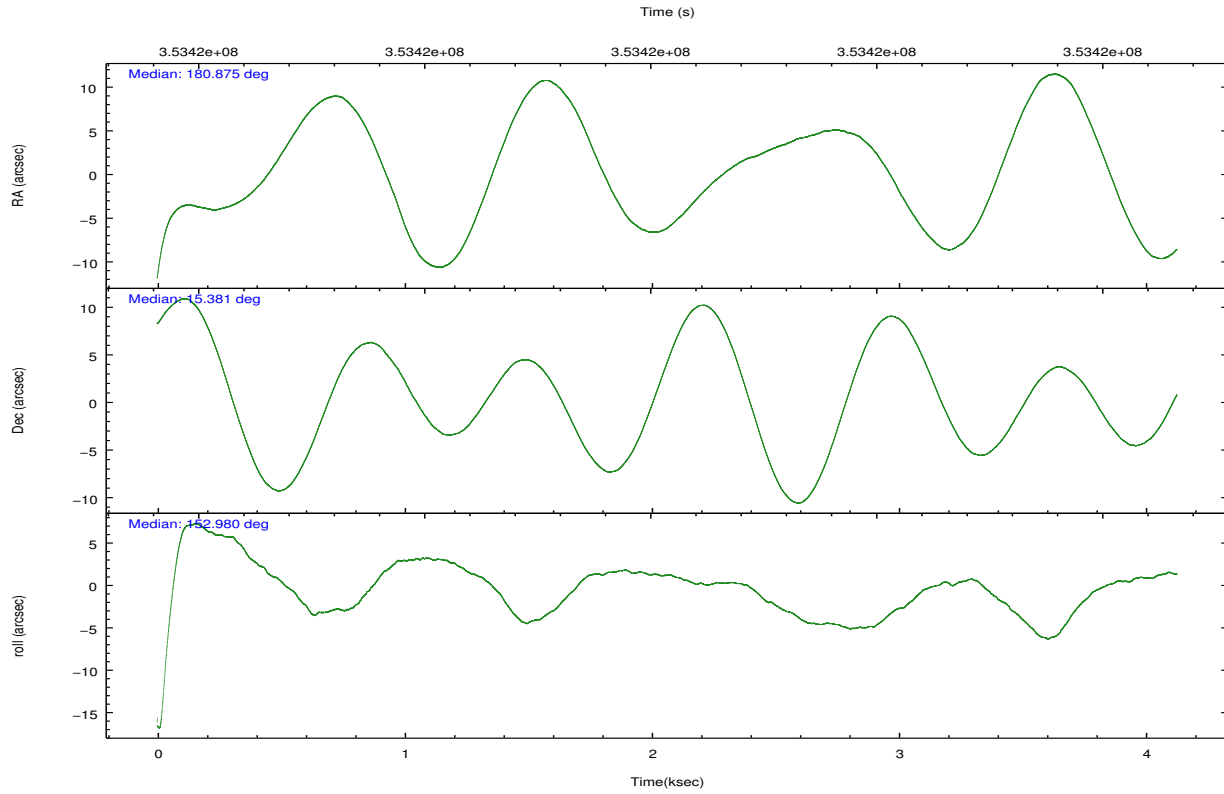
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2417	2524	2445	2403	4410
	5%	5%	5%	3%	7%
grade 1 events	31	31	26	93	41
	0%	0%	0%	0%	0%
grade 2 events	1182	1142	1262	5727	3393
	2%	2%	2%	8%	5%
grade 3 events	519	559	558	2358	1429
	1%	1%	1%	3%	2%
grade 4 events	488	518	553	2316	1315
	1%	1%	1%	3%	2%
grade 5 events	1976	2244	2318	6214	2994
	4%	5%	4%	9%	4%
grade 6 events	929	1016	1150	14987	4042
	1%	2%	2%	22%	6%
grade 7 events	40068	36581	40247	32791	42576
	84%	81%	82%	49%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	180.903704	180.8753097760856	CCD I2 on	O1	Y
[deg] Pointing Dec	15.383260	15.38147334010516	CCD I3 on	O2	Y
[deg] Pointing Roll	152.821662	152.9857488087769	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	353415131.184000	353413759.03287	CCD S5 on	N	N
Observation start date	2009-03-14T10:51:05	2009-03-14T10:29:19	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	353419131.184000	353420573.74571	On-chip summing requested	N	N
Observation end date	2009-03-14T11:57:45	2009-03-14T12:22:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



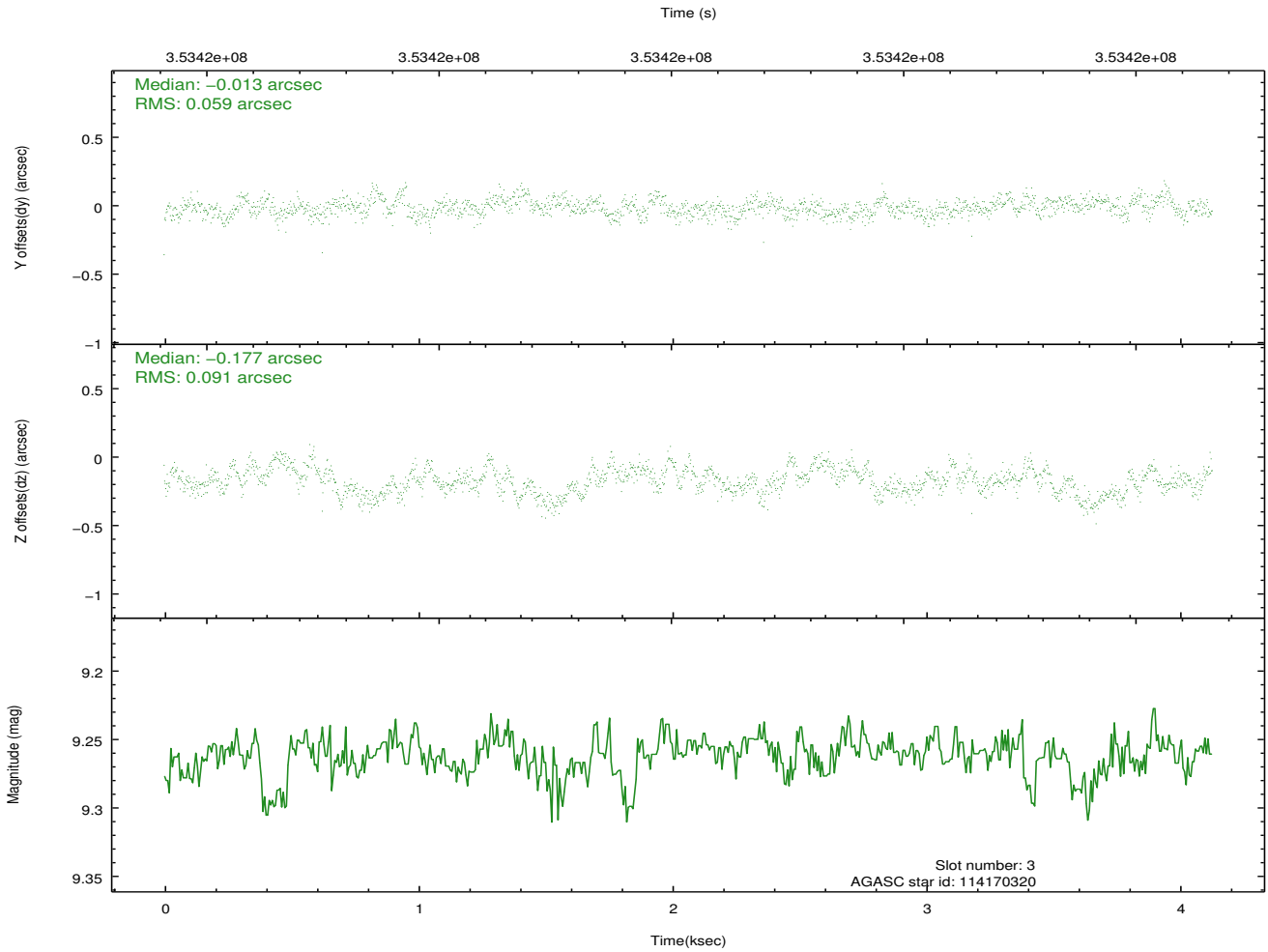
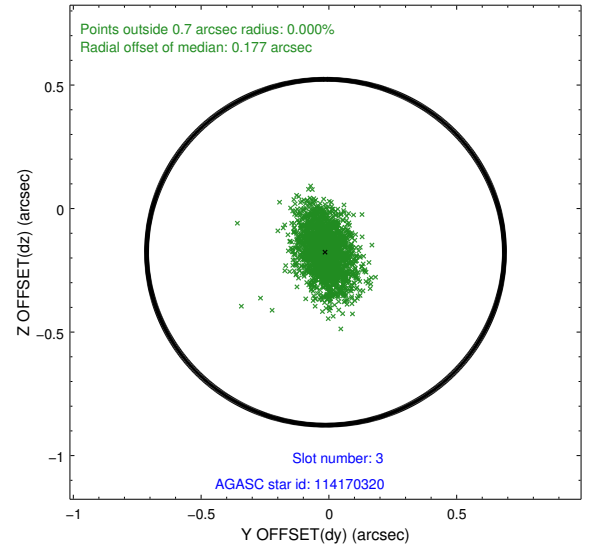
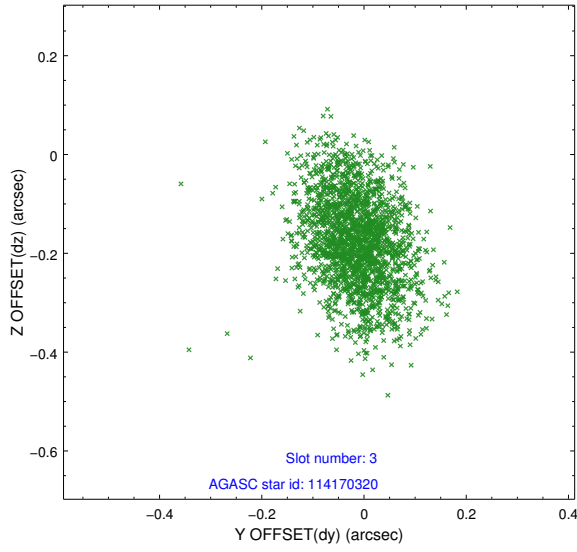


Slot Statistics

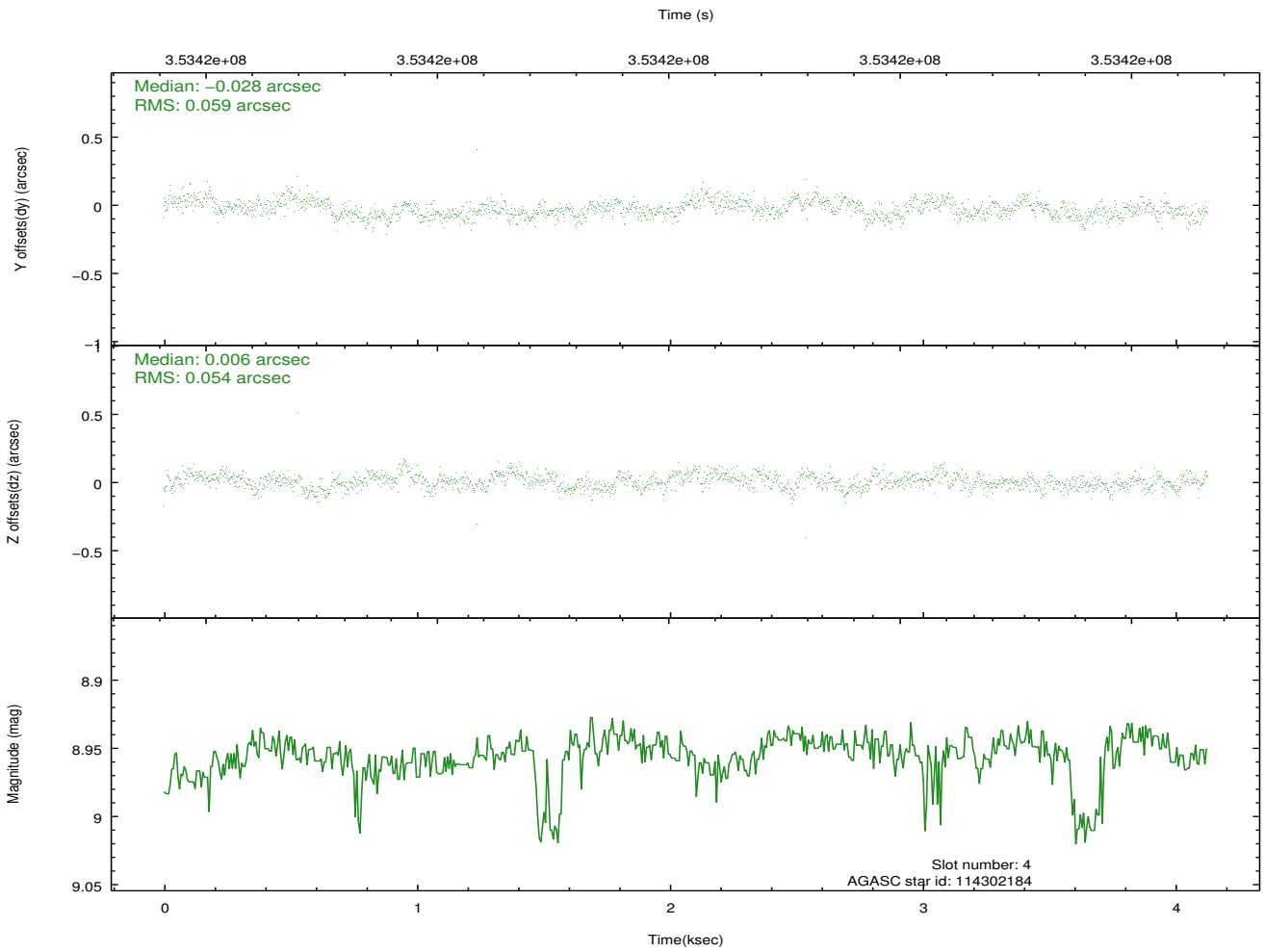
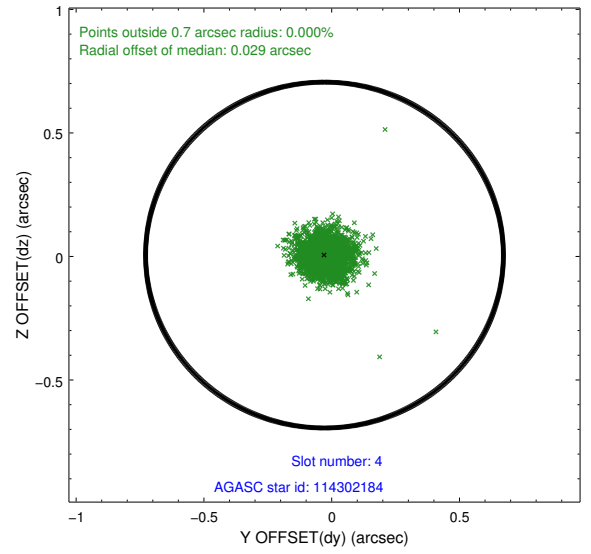
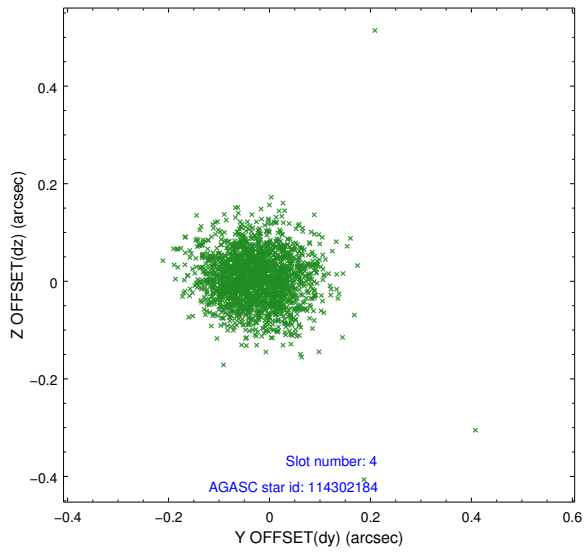
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	1007	-0.046	-0.013	0.007	0.011	0.000000	0.000000	-764.80	-1736.92
1	FID	ACIS-S-4	6.96	1007	0.122	0.026	0.005	0.009	0.000000	0.000000	2147.92	170.08
2	FID	ACIS-S-5	6.99	1007	-0.108	-0.003	0.007	0.011	0.000000	0.000000	-1815.80	165.38
3	GUIDE	114170320	9.26	2014	-0.013	-0.177	0.114	0.190	180.702402	14.778498	-371.66	2256.80
4	GUIDE	114302184	8.95	2014	-0.028	0.006	0.082	0.134	181.306369	14.851234	-2121.01	1063.94
5	GUIDE	189019864	9.75	2009	0.070	0.170	0.114	0.184	181.569365	15.386231	-2049.98	-1067.44
6	GUIDE	189022480	9.49	2009	-0.068	0.043	0.098	0.155	180.308211	15.215436	1564.35	1480.03
7	GUIDE	189023064	10.01	2013	0.040	-0.032	0.154	0.248	180.682133	15.916329	1559.92	-1356.04

2.4 Star Slots

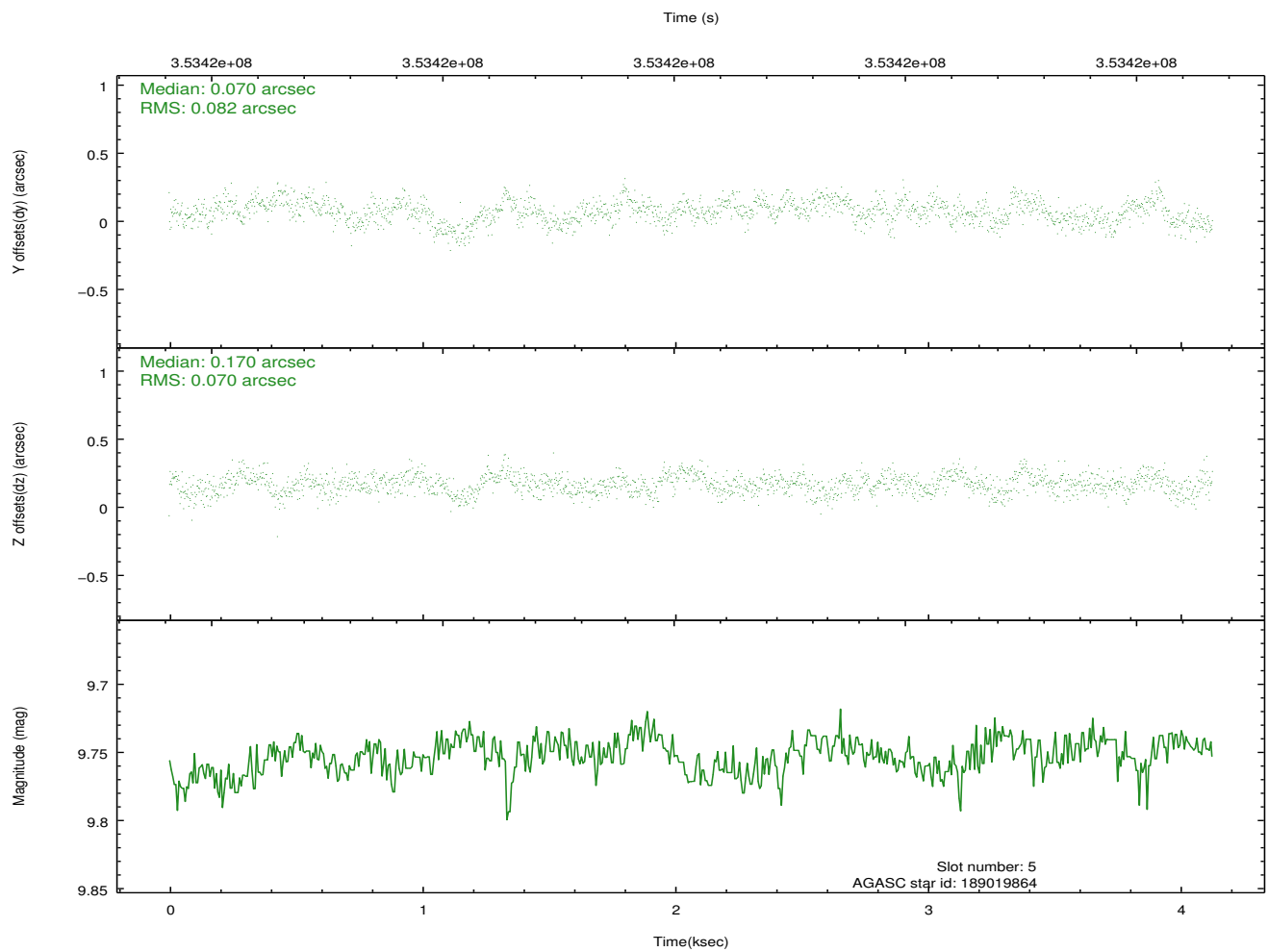
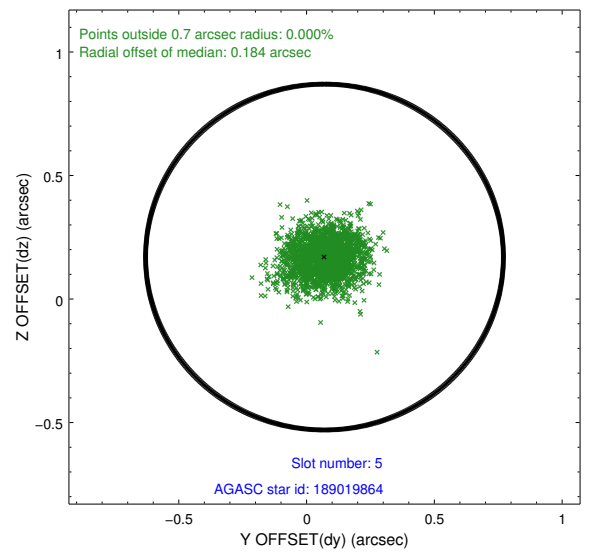
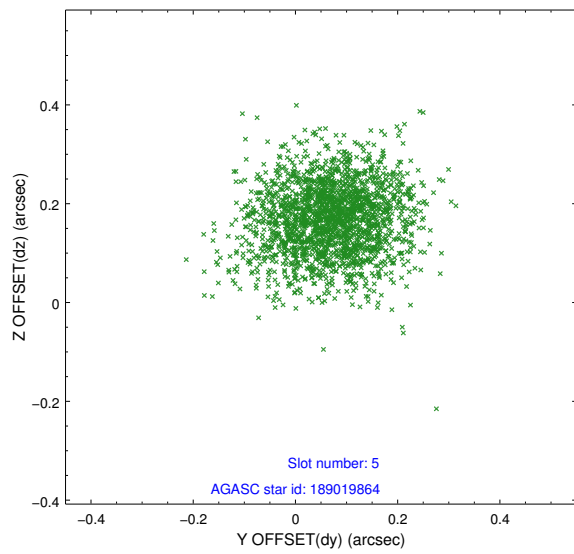
2.4.1 Slot 3



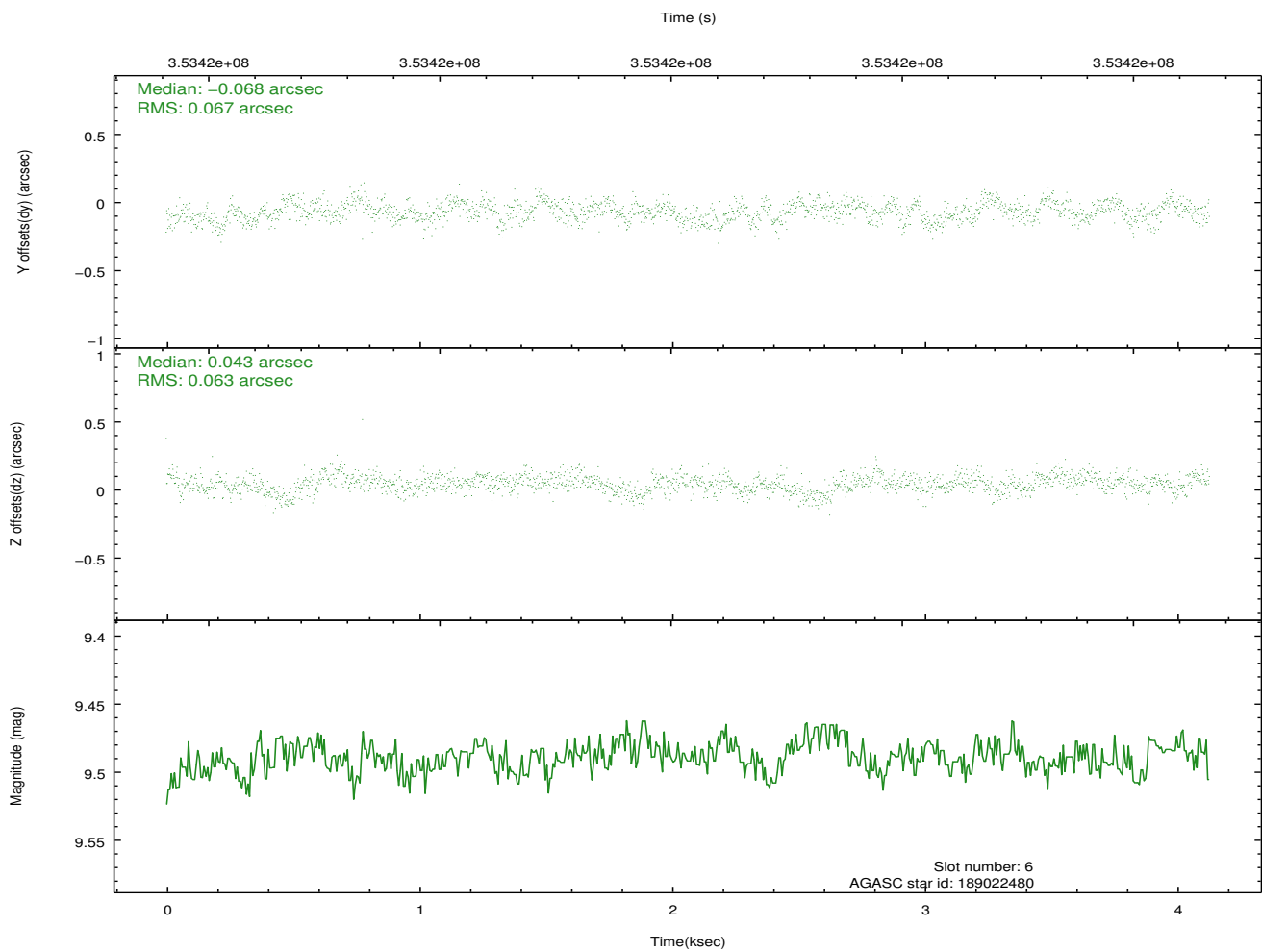
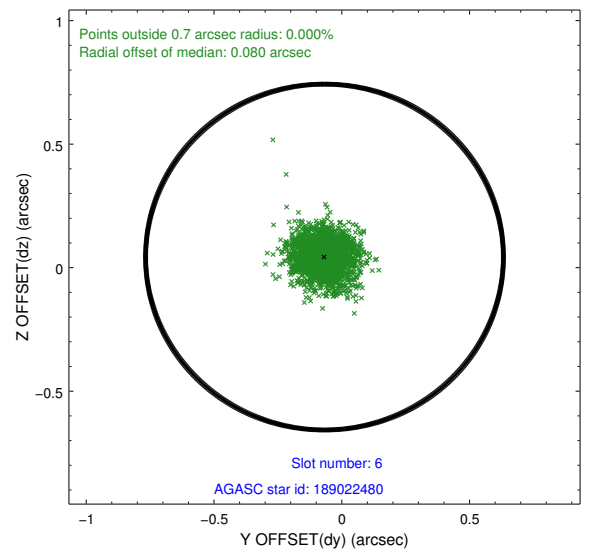
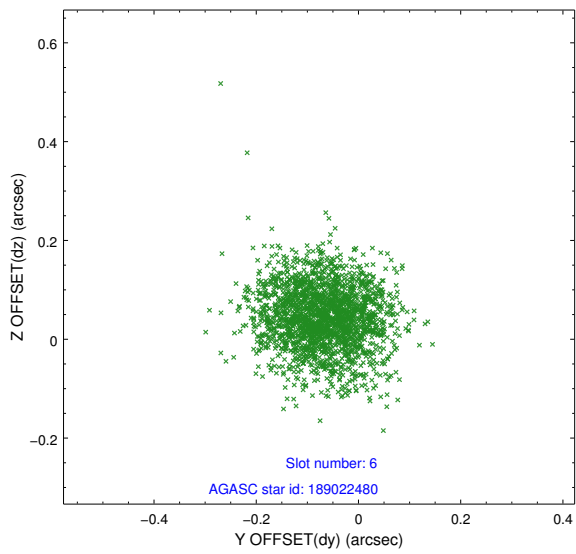
2.4.2 Slot 4



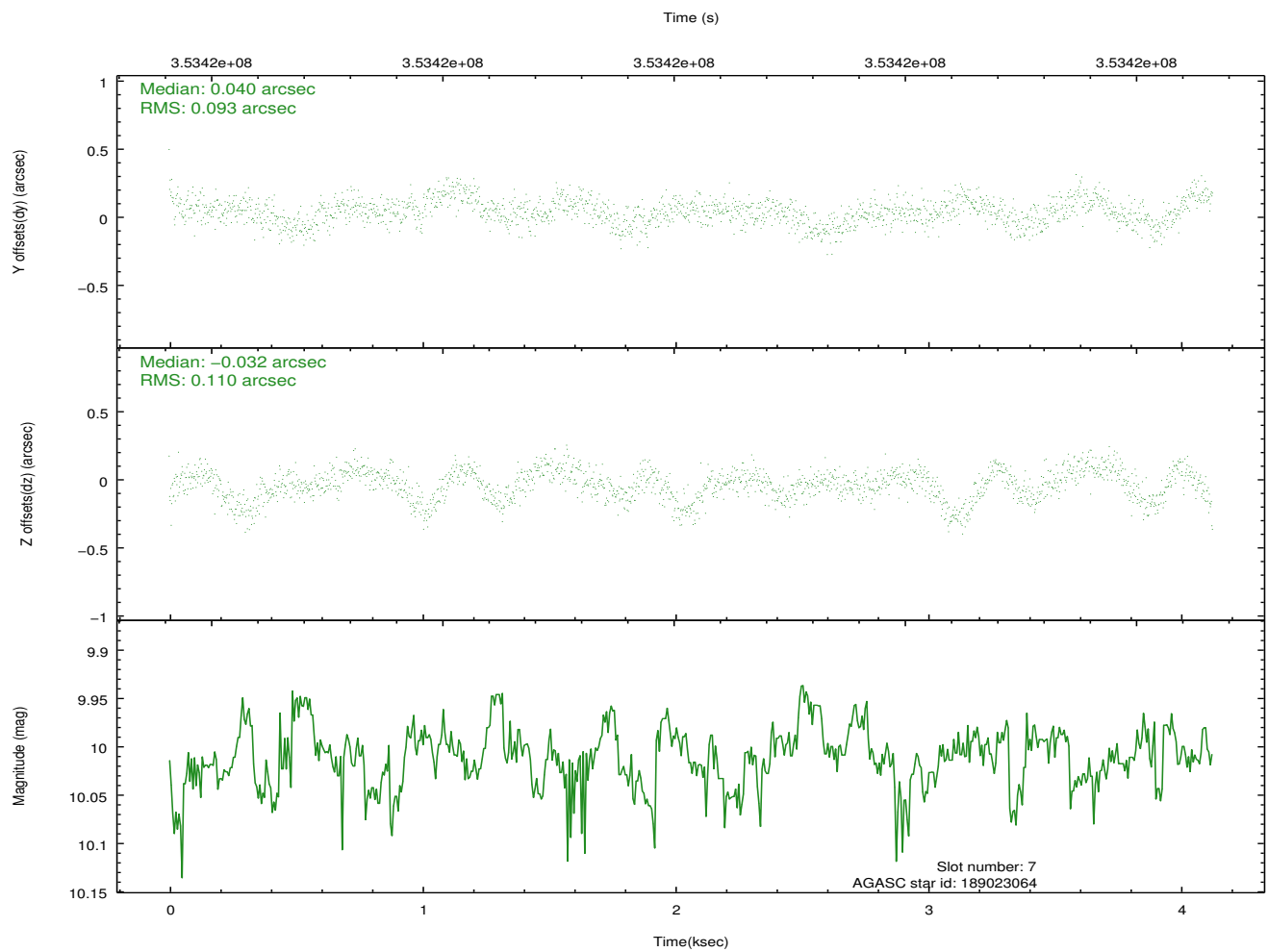
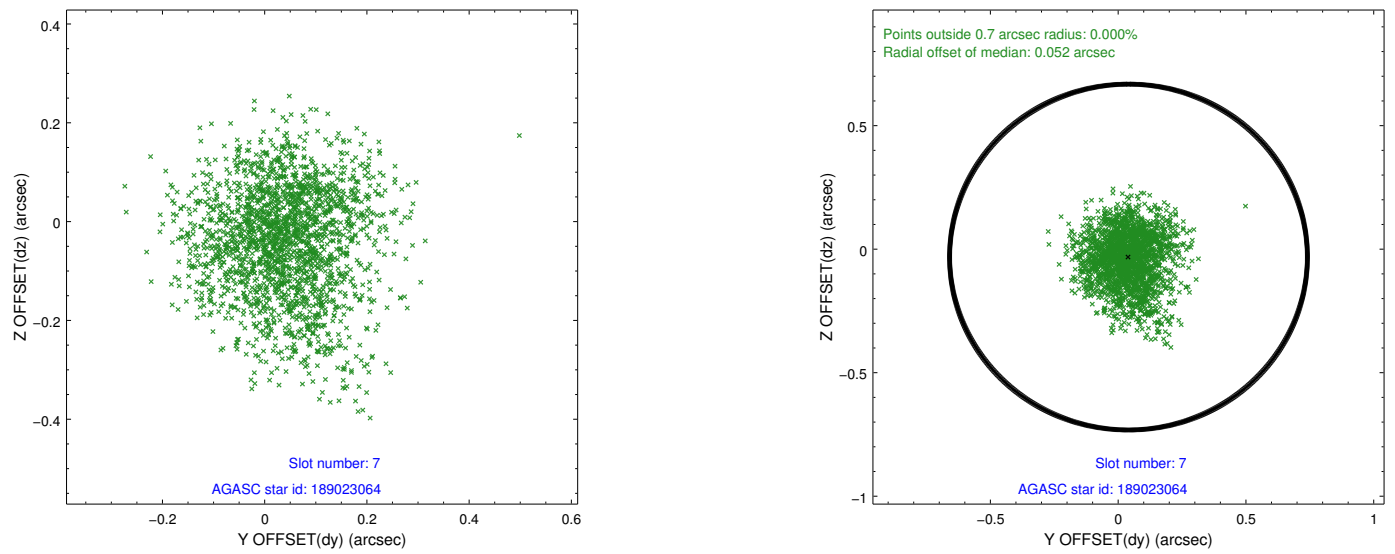
2.4.3 Slot 5



2.4.4 Slot 6

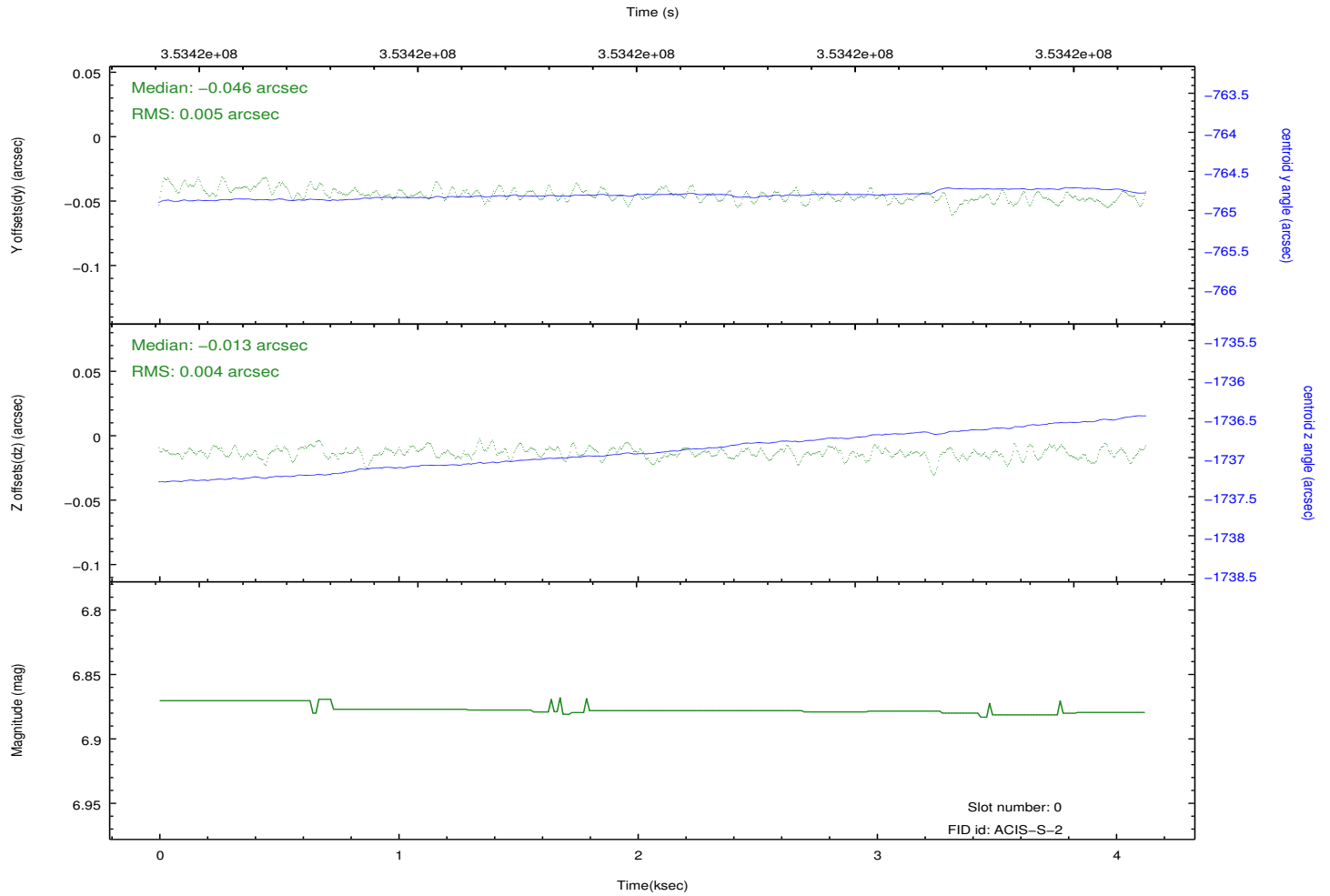
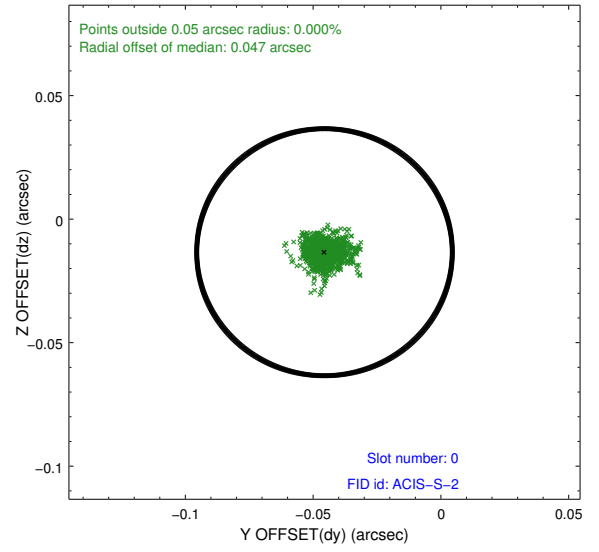
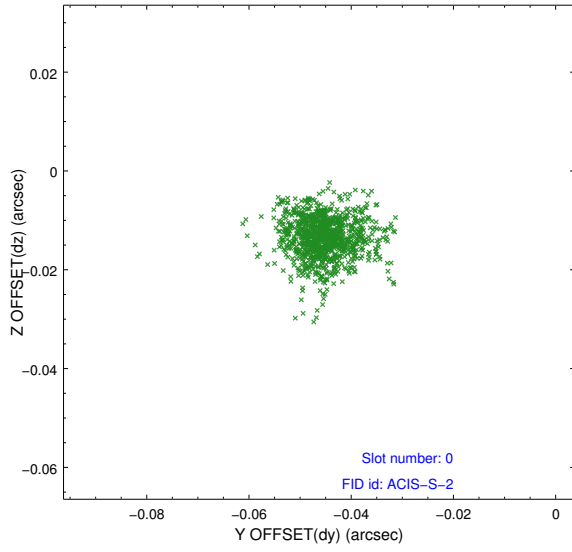


2.4.5 Slot 7

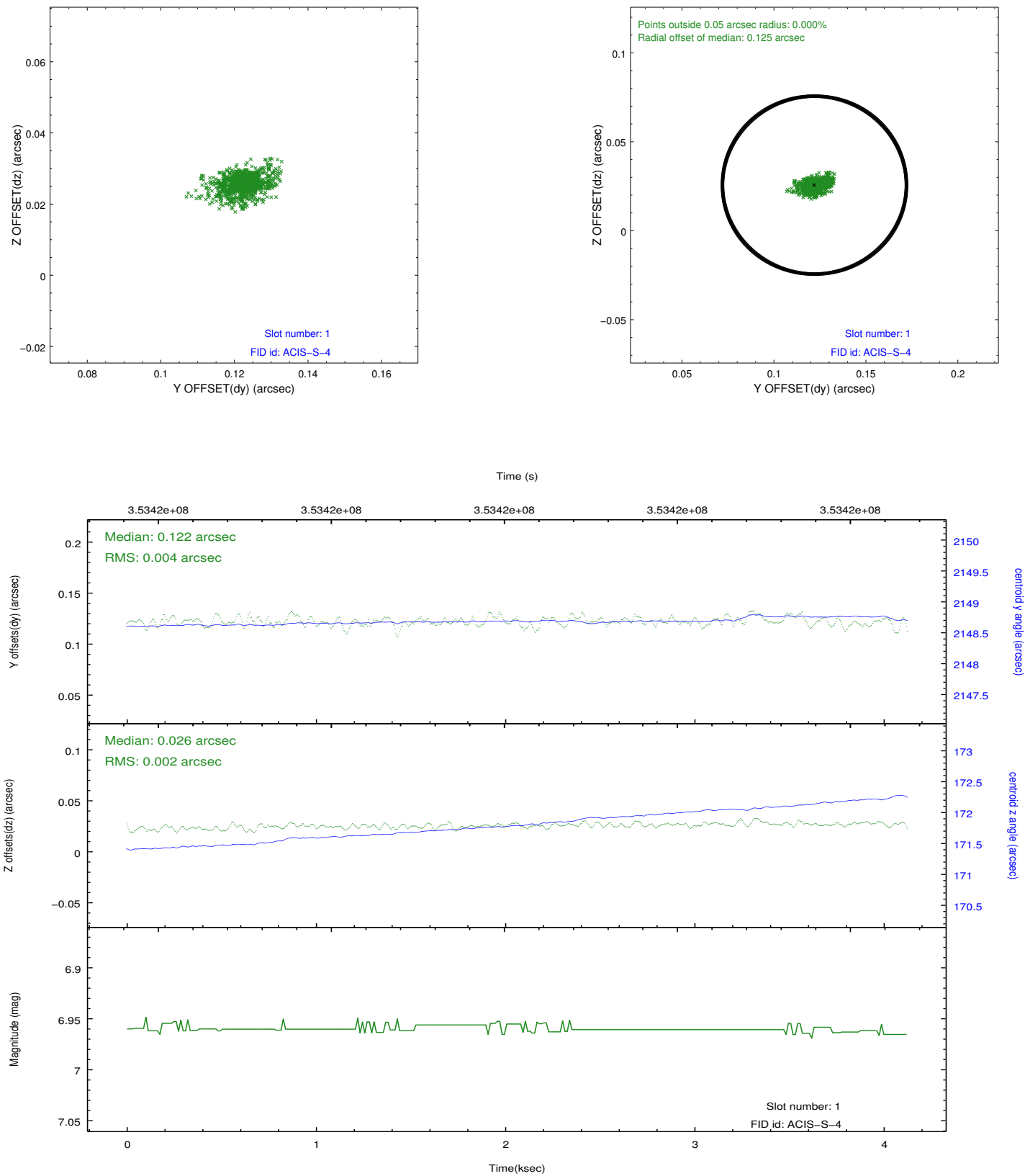


2.5 FID Slots

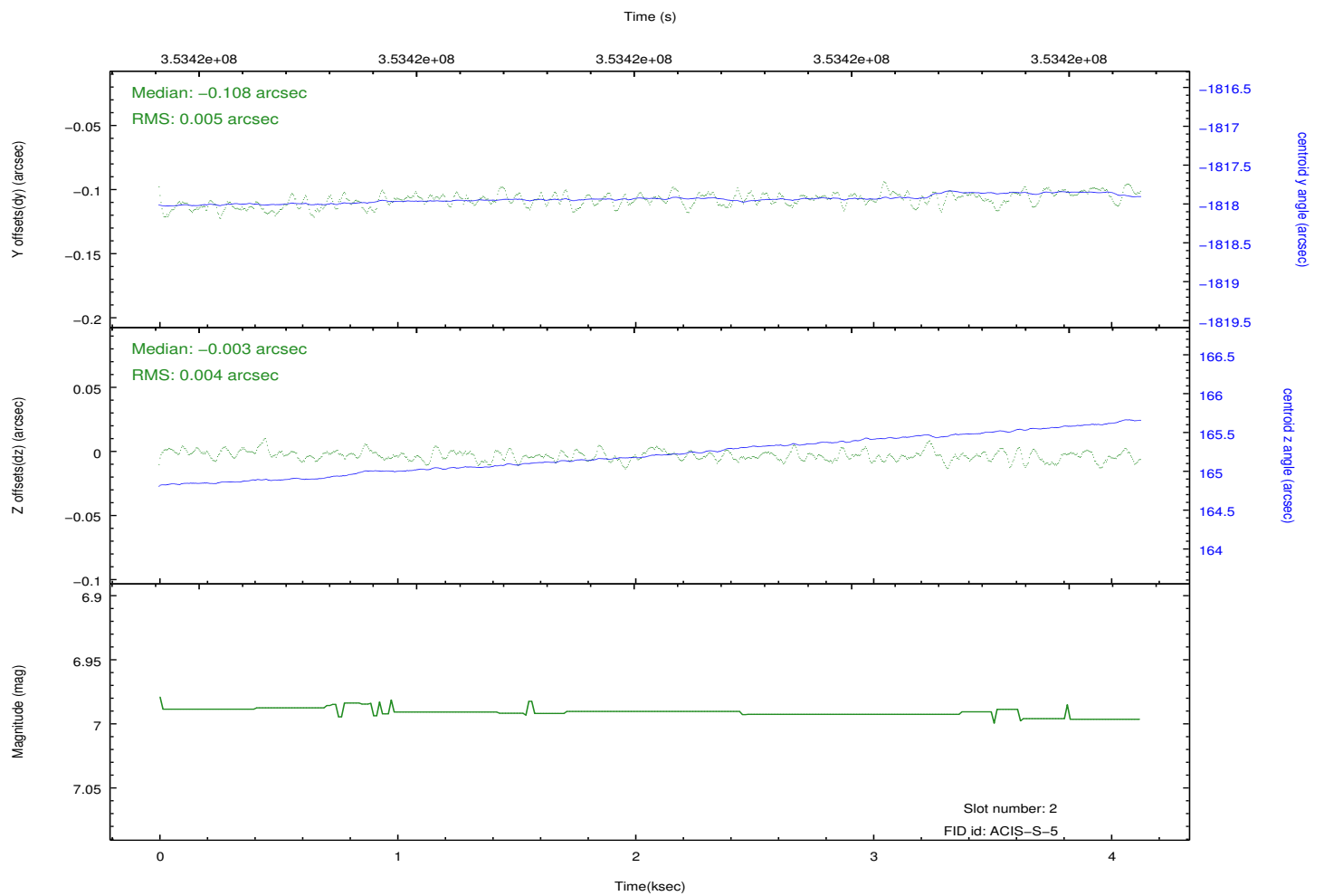
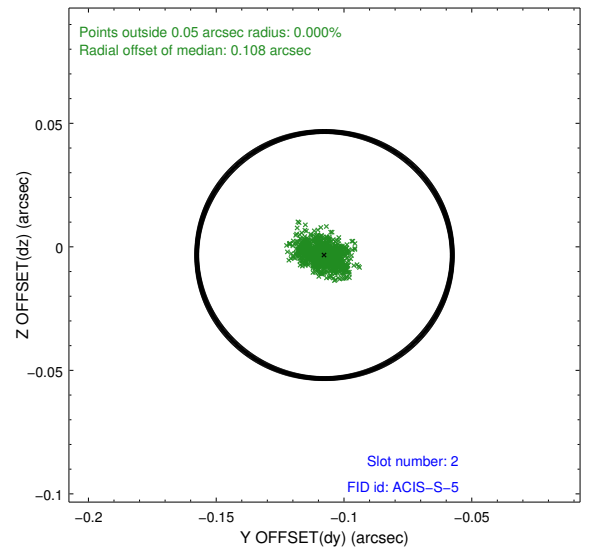
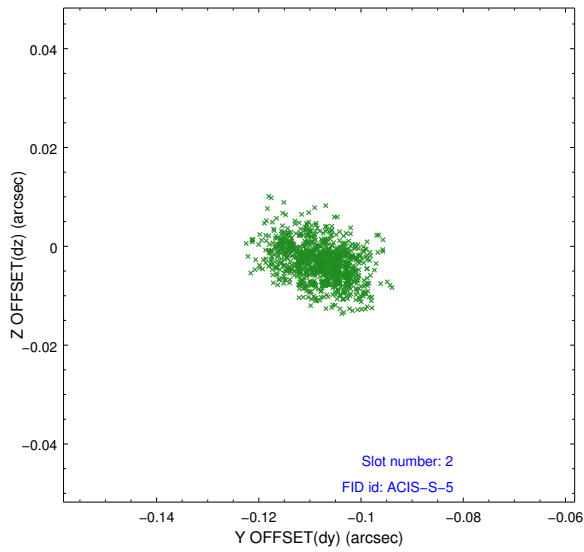
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.12300003

A.2 Comments